

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 7319 | 118/715.ccls. 118/733.ccls.<br>156/345.29.ccls.                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2009/10/19<br>11:48 |
| L2    | 139  | 1 and flange same passage  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2009/10/19<br>11:48 |
| L3    | 29   | 1 and flange same passage<br>same (retain\$3 hook hold\$3<br>attachment) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2009/10/19<br>11:49 |
| L4    | 1    | 3 and (@ad<="20031024"<br>@rlad<="20031024")                             | JPO   | OR               | OFF     | 2009/10/19<br>11:49 |
| L5    | 105  | 2 and (@ad<="20031024"<br>@rlad<="20031024")                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/10/19<br>11:50 |
| L6    | 21   | 3 and (@ad<="20031024"<br>@rlad<="20031024")                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/10/19<br>11:50 |
| L7    | 84   | 5 not 6  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/10/19<br>11:56 |
| S1    | 1    | "10576940"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2008/03/06<br>09:51 |
| S2    | 2    | ("5329095").PN.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | OFF     | 2008/03/06<br>09:53 |
| S3    | 32   | ("4943234").PN. OR<br>("5329095").URPN.                                  | US-PGPUB;<br>USPAT; USOCR   | OR               | OFF     | 2008/03/06<br>09:55 |

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|-----|-----|--|---|----|-----|---------------------|
| S4  | 0   | 2003-257958  | JPO   | OR | OFF | 2008/03/06<br>10:04 |
| S5  | 1   | "2003257958"   | JPO   | OR | OFF | 2008/03/06<br>10:04 |
| S6  | 13  | tokyo adj electron.as. and wafer<br>adj boat same quartz                       | JPO   | OR | OFF | 2008/03/06<br>10:38 |
| S7  | 12  | S6 and (@ad<="20031024"<br>@rlad<="20031024")                                  | JPO   | OR | OFF | 2008/03/06<br>10:38 |
| S8  | 215 | tokyo adj electron.as. and wafer<br>adj boat same quartz                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>10:38 |
| S9  | 12  | S8 and (@ad<="20031024"<br>@rlad<="20031024")                                  | JPO   | OR | OFF | 2008/03/06<br>10:39 |
| S10 | 11  | applied adj materials.as. and<br>wafer adj boat same quartz                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>10:42 |
| S11 | 0   | S10 and (@ad<="20031024"<br>@rlad<="20031024")                                 | JPO   | OR | OFF | 2008/03/06<br>10:42 |
| S12 | 34  | (tokyo adj electron.as.) and<br>wafer adj boat same cool\$3<br>same heat\$3    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>10:43 |
| S13 | 2   | S12 and (@ad<="20031024"<br>@rlad<="20031024")                                 | JPO   | OR | OFF | 2008/03/06<br>10:43 |
| S14 | 0   | (applied adj materials.as.) and<br>wafer adj boat same cool\$3<br>same heat\$3 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>10:45 |
| S15 | 147 | wafer adj boat same cool\$3<br>same heat\$3                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>10:56 |
| S16 | 14  | S15 and (@ad<="20031024"<br>@rlad<="20031024")                                 | JPO   | OR | OFF | 2008/03/06<br>10:57 |
| S17 | 218 | (tokyo adj electron.as.) and<br>wafer adj boat same (flange<br>cover lid)      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>11:00 |

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| S18 | 11 | S17 and (@ad<="20031024"<br>@rlad<="20031024")   | JPO   | OR | OFF | 2008/03/06<br>11:00 |
| S19 | 2  | "5368648".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>11:05 |
| S20 | 47 | ("2726882"   "3116932"  <br>"3144035"   "3328039"  <br>"4372565"   "4487161"  <br>"4513978"   "4561662"  <br>"4641603"   "4726689"  <br>"4840139"   "5016567"  <br>"5133561"   "5133986").PN. OR<br>("5368648").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:07 |
| S21 | 28 | ("20010017294"   "2391970"  <br>"3223498"   "3541293"  <br>"3658585"   "3868106"  <br>"4040372"   "4588660"  <br>"4591374"   "4920917"  <br>"5028250"   "5248349"  <br>"5368648"   "5372646"  <br>"5413671"   "5470397"  <br>"5536333"   "5589007"  <br>"5614249"   "5772715"  <br>"5921559"   "5938851"  <br>"5945163"   "6037241"  <br>"6236021").PN. OR ("6719848").<br>URPN.                                   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:29 |
| S22 | 5  | ("5133561"   "5368648"  <br>"5533736").PN. OR ("6283175").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:42 |
| S23 | 50 | ("2248385"   "2726882"  <br>"2888879"   "3116932"  <br>"3144035"   "3328039"  <br>"3699298"   "3817540"  <br>"4146237"   "4361335"  <br>"4372565"   "4406458"  <br>"4513978"   "4561662"  <br>"4565378"   "4641603"  <br>"4726689"   "4735421"  <br>"4799692"   "4896890"  <br>"4950870"   "5133561"  <br>"5230521"   "5240263"  <br>"5308955"   "5329095"  <br>"5359148"   "5368648").PN. OR<br>("5533736").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:45 |
| S24 | 32 | ("4943234").PN. OR<br>("5329095").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:57 |
| S25 | 23 | ("4926793"   "5029554"  <br>"5127365"   "5171972").PN. OR<br>("5308955").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>12:32 |

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| S26 | 29 | (US-6589349-\$ or US-6259061-\$ or US-6190460-\$ or US-5942038-\$ or US-5368648-\$ or US-6988886-\$ or US-6805201-\$ or US-6719848-\$ or US-5921559-\$ or US-6435775-\$ or US-6338491-\$ or US-5533736-\$ or US-5329095-\$ or US-6444940-\$ or US-5884917-\$ or US-5308955-\$ or US-6101844-\$ or US-5903711-\$ or US-4799692-\$ or US-4641603-\$ or US-5133561-\$ or US-6000422-\$ or US-5632820-\$ or US-5578132-\$).did. or (JP-2002313787-\$ or JP-2002299269-\$ or JP-04005820-\$ or JP-2000114193-\$ or JP-09082656-\$).did. | USPAT; JPO  | OR | OFF | 2008/03/06<br>12:52 |
| S27 | 8  | S26 and (flange lid cover) same quartz same (metal steel stainless)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2008/03/06<br>12:53 |
| S28 | 2  | "5329095".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2008/03/06<br>13:04 |
| S29 | 32 | (tokyo adj electron.as.) and (flange lid cover) same mirror adj finish\$3  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:10 |
| S30 | 0  | S29 and (@ad<="20031024"@rlad<="20031024")   | JPO   | OR | OFF | 2008/03/06<br>13:10 |
| S31 | 10 | S29 and (@ad<="20031024"@rlad<="20031024")   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:10 |
| S32 | 6  | tokyo adj electron.as. and wafer adj boat and boss   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:34 |
| S33 | 6  | S32 and (@ad<="20031024"@rlad<="20031024")   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:35 |

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| S34 | 10 | tokyo adj electron.as. and wafer<br>adj boat and flange same resin  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/06<br>13:41 |
| S35 | 10 | S34 and (@ad<="20031024"<br>@rlad<="20031024")  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:42 |
| S36 | 5  | tokyo adj electron.as. and wafer<br>adj boat and (pan tray) same<br>liquid                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/06<br>14:10 |
| S37 | 5  | S36 and (@ad<="20031024"<br>@rlad<="20031024")  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>14:11 |
| S38 | 11 | ("5054210"   "5142873"  <br>"5246023"   "5369891"  <br>"5443540"   "5520744").PN. OR<br>("5671544").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>14:13 |
| S39 | 7  | tokyo adj electron.as. and (resin<br>same insert)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/06<br>14:17 |
| S40 | 7  | S39 and (@ad<="20031024"<br>@rlad<="20031024")  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>14:17 |
| S41 | 2  | "5329095".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2008/03/07<br>06:28 |
| S42 | 2  | "6283175".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2008/03/07<br>07:28 |
| S43 | 1  | "10576940"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2008/03/07<br>08:27 |

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| S44 | 2   | "6283175".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/06/06<br>15:00 |
| S45 | 3   | tokyo adj electron.as. and wafer<br>adj boat and Boss same<br>(vacuum hole aperture pipe)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO                   | OR | OFF | 2008/06/06<br>15:12 |
| S46 | 0   | S45 and (@ad<="20031024"<br>@rlad<="20031024")   | JPO  | OR | OFF | 2008/06/06<br>15:12 |
| S47 | 8   | ("5016567"   "5127365"  <br>"5324540").PN. OR ("6030457").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2008/06/06<br>15:16 |
| S48 | 9   | ("5016567"   "5484484"  <br>"5750436"   "6030457"  <br>"6235121"   "6403926"  <br>"6448536"   "6527865").PN. OR<br>("6712909").URPN. | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2008/06/06<br>15:18 |
| S49 | 4   | ("5960158"   "6172337").PN.<br>OR ("6403926").URPN.  | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2008/06/06<br>15:21 |
| S50 | 23  | ("5016567"   "5116784").PN.<br>OR ("5750436").URPN.  | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2008/06/06<br>15:25 |
| S51 | 4   | wafer adj boat and Boss same<br>(vacuum hole aperture pipe)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO                   | OR | OFF | 2008/06/06<br>15:38 |
| S52 | 0   | S51 and (@ad<="20031024"<br>@rlad<="20031024")   | JPO  | OR | OFF | 2008/06/06<br>15:38 |
| S53 | 688 | process\$3 adj (chamber<br>apparatus) and Boss same<br>(vacuum hole aperture pipe)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO; JPO                   | OR | OFF | 2008/06/06<br>15:48 |
| S54 | 1   | S53 and (@ad<="20031024"<br>@rlad<="20031024")   | JPO  | OR | OFF | 2008/06/06<br>15:48 |
| S55 | 1   | "6030457".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>JPO                              | OR | OFF | 2008/06/06<br>15:58 |
| S56 | 2   | "6283175".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/14<br>14:08 |
| S57 | 2   | "5308955".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/14<br>14:18 |
| S58 | 2   | "6030457".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/14<br>14:25 |

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|-----|----|---|--|----|-----|------------------|
| S59 | 49 | (US-6589349-\$ or US-6259061-\$ or US-6190460-\$ or US-5942038-\$ or US-5368648-\$ or US-6988886-\$ or US-6805201-\$ or US-6719848-\$ or US-5921559-\$ or US-6435775-\$ or US-6338491-\$ or US-5533736-\$ or US-5329095-\$ or US-6444940-\$ or US-5884917-\$ or US-5308955-\$ or US-6101844-\$ or US-5903711-\$ or US-4799692-\$ or US-4641603-\$ or US-5133561-\$ or US-6000422-\$ or US-5632820-\$ or US-5578132-\$ or US-6369361-\$ or US-6030457-\$).did. or (US-6863732-\$ or US-6231290-\$ or US-5370142-\$ or US-5236181-\$ or US-5207573-\$ or US-5671544-\$ or US-RE40046-\$ or US-6334983-\$ or US-6712909-\$ or US-6403926-\$ or US-5750436-\$ or US-6524650-\$ or US-6248672-\$ or US-6171104-\$ or US-5016567-\$ or US-6142773-\$).did. or (JP-2002313787-\$ or JP-2002299269-\$ or JP-04005820-\$ or JP-2000114193-\$ or JP-09082656-\$).did. or (JP-04106392-\$ or US-5133561-\$).did. | USPAT; JPO; DERWENT                                | OR | OFF | 2008/11/14 14:28 |
| S60 | 10 | S59 and lid same (flange extension)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/14 14:28 |
| S61 | 29 | ("2248385"   "2726882"   "3116932"   "3144035"   "3328039"   "3699298"   "3817540"   "4361335"   "4372565"   "4513978"   "4561662"   "4641603"   "4726689"   "4950870"   "5133561"   "5230521"   "5308955"   "5329095"   "5359148"   "5368648"   "5484483").PN. OR ("5884917").URPN.  | US-PGPUB; USPAT; USOCR                             | OR | OFF | 2008/11/14 14:30 |
| S62 | 2  | S59 and lid same (boss)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/11/14 14:40 |
| S63 | 1  | "07029841"  | JPO  | OR | OFF | 2008/11/15 04:34 |

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| S64 | 1   | "2003257958"  | JPO  | OR | OFF | 2008/11/15<br>04:35 |
| S65 | 2   | "6283175".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/01<br>17:36 |
| S66 | 2   | "2003257958" "07029841"   | JPO  | OR | OFF | 2009/06/02<br>07:57 |
| S67 | 4   | chandra-sa\$.xa.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/02<br>08:47 |
| S68 | 1   | "10990100"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/02<br>09:25 |
| S69 | 2   | "20030038111"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/02<br>10:01 |
| S70 | 26  | "6558505".pn. "6245152".pn.<br>"5531835".pn. "6027604".pn.<br>"2005005398".pn.<br>"20050092439" "20030140850"<br>"6248176".pn. "20060090706"<br>"20060005767" | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/02<br>10:04 |
| S71 | 2   | "6148176".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/02<br>10:38 |
| S72 | 2   | "6248176".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/02<br>10:38 |
| S73 | 4   | "03132056"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/02<br>10:51 |
| S74 | 1   | "03132056"  | JPO  | OR | OFF | 2009/06/02<br>10:51 |
| S75 | 1   | "10335199"  | JPO  | OR | OFF | 2009/06/02<br>10:53 |
| S76 | 1   | "2005005398"  | JPO  | OR | OFF | 2009/06/02<br>10:54 |
| S77 | 543 | processing adj (apparatus<br>chamber) and knurl\$3  | US-PGPUB;<br>USPAT; USOCR;<br>JPO                              | OR | OFF | 2009/06/02<br>10:57 |



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|-----|-------|--|-----------------------------------|----|-----|---------------------|
| S78 | 1     | S77 and (@ad<="20031024"<br>@rlad<="20031024")                                   | JPO                               | OR | OFF | 2009/06/02<br>10:58 |
| S79 | 544   | processing adj (apparatus<br>chamber wall ring) and knurl\$3                     | US-PGPUB;<br>USPAT; USOCR;<br>JPO | OR | OFF | 2009/06/02<br>11:00 |
| S80 | 1     | S79 and (@ad<="20031024"<br>@rlad<="20031024")                                   | JPO                               | OR | OFF | 2009/06/02<br>11:00 |
| S81 | 545   | processing adj (apparatus<br>chamber wall ring liner) and<br>knurl\$3            | US-PGPUB;<br>USPAT; USOCR;<br>JPO | OR | OFF | 2009/06/02<br>11:00 |
| S82 | 1     | S81 and (@ad<="20031024"<br>@rlad<="20031024")                                   | JPO                               | OR | OFF | 2009/06/02<br>11:01 |
| S83 | 68155 | (apparatus chamber wall ring<br>liner) and knurl\$3                              | US-PGPUB;<br>USPAT; USOCR;<br>JPO | OR | OFF | 2009/06/02<br>11:01 |
| S84 | 38640 | (apparatus chamber wall ring<br>liner) same knurl\$3                             | US-PGPUB;<br>USPAT; USOCR;<br>JPO | OR | OFF | 2009/06/02<br>11:01 |
| S85 | 247   | S84 and (@ad<="20031024"<br>@rlad<="20031024")                                   | JPO                               | OR | OFF | 2009/06/02<br>11:02 |
| S86 | 287   | (apparatus chamber wall ring<br>liner) same knurl\$3 and (wafer<br>substrate)    | US-PGPUB;<br>USPAT; USOCR;<br>JPO | OR | OFF | 2009/06/02<br>11:02 |
| S87 | 2     | S86 and (@ad<="20031024"<br>@rlad<="20031024")                                   | JPO                               | OR | OFF | 2009/06/02<br>11:02 |
| S88 | 76263 | (apparatus chamber wall ring<br>liner) same (knurl\$3 textur\$3)                 | US-PGPUB;<br>USPAT; USOCR;<br>JPO | OR | OFF | 2009/06/02<br>11:03 |
| S89 | 918   | S88 and (@ad<="20031024"<br>@rlad<="20031024")                                   | JPO                               | OR | OFF | 2009/06/02<br>11:03 |
| S90 | 38294 | (apparatus chamber wall ring<br>liner) same (textur\$3)                          | US-PGPUB;<br>USPAT; USOCR;<br>JPO | OR | OFF | 2009/06/02<br>11:38 |
| S91 | 7898  | (apparatus chamber wall ring<br>liner) same (textur\$3) and<br>(wafer substrate) | US-PGPUB;<br>USPAT; USOCR;<br>JPO | OR | OFF | 2009/06/02<br>11:39 |
| S92 | 38    | S91 and (@ad<="20031024"<br>@rlad<="20031024")                                   | JPO                               | OR | OFF | 2009/06/02<br>11:39 |
| S93 | 7848  | (apparatus chamber wall ring<br>liner) same (textur\$3) and<br>(wafer substrate) | US-PGPUB;<br>USPAT; USOCR         | OR | OFF | 2009/06/02<br>11:39 |
| S94 | 0     | S93 and (@ad<="20031024"<br>@rlad<="20031024")                                   | JPO                               | OR | OFF | 2009/06/02<br>11:39 |
| S95 | 7965  | (apparatus chamber wall ring<br>liner) same (textur\$5) and<br>(wafer substrate) | US-PGPUB;<br>USPAT; USOCR         | OR | OFF | 2009/06/02<br>11:40 |
| S96 | 6014  | S95 and (@ad<="20031024"<br>@rlad<="20031024")                                   | US-PGPUB;<br>USPAT; USOCR         | OR | OFF | 2009/06/02<br>11:41 |

|      |     |   |  |    |     |                     |
|------|-----|---|--|----|-----|---------------------|
| S97  | 103 | processing adj (apparatus chamber wall ring liner) same (textur\$5) and (wafer substrate) | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2009/06/02<br>11:41 |
| S98  | 58  | S97 and (@ad<="20031024" @rlad<="20031024")   | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2009/06/02<br>11:42 |
| S99  | 2   | "6558505".pn. "20050098427" 2004/0206804 2003/0185965                                     | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2009/06/02<br>11:53 |
| S100 | 2   | "6558505".pn. "2005/0098427" "20040206804" 2003/0185965                                   | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2009/06/02<br>11:54 |
| S101 | 3   | "6558505".pn. "20050098427" "20040206804" 2003/0185965                                    | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2009/06/02<br>11:54 |
| S102 | 1   | "6375753".pn.   | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2009/06/02<br>12:03 |
| S103 | 4   | "11143179"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/04<br>06:55 |
| S104 | 2   | "6283175".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/04<br>07:43 |
| S105 | 1   | "07029841"  | JPO  | OR | OFF | 2009/06/04<br>07:49 |
| S106 | 0   | "6283175".pn.   | JPO  | OR | OFF | 2009/06/04<br>08:19 |
| S107 | 1   | "6283175".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>JPO                              | OR | OFF | 2009/06/04<br>08:20 |
| S108 | 1   | "11556758"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/04<br>10:06 |
| S109 | 2   | "5329095".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/04<br>12:11 |
| S110 | 1   | "070298841" "2003257958"  | JPO  | OR | OFF | 2009/10/02<br>09:13 |
| S111 | 0   | "070298841"   | JPO  | OR | OFF | 2009/10/02<br>09:14 |
| S112 | 1   | "07029841"  | JPO  | OR | OFF | 2009/10/02<br>09:15 |
| S113 | 2   | "07029841" "2003257958"   | JPO  | OR | OFF | 2009/10/02<br>09:15 |
| S114 | 3   | "6030457".pn. "6283175".pn. "5329095".pn.   | US-PGPUB;<br>USPAT; USOCR                                      | OR | OFF | 2009/10/02<br>09:30 |

|      |       |   |  |    |     |                     |
|------|-------|---|--|----|-----|---------------------|
| S115 | 2     | "5884917".pn.                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/15<br>14:38 |
| S116 | 2     | "5884917".pn.                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/10/16<br>15:53 |
| S117 | 94331 | tokyo adj "electron.as.and" boat                | US-PGPUB;<br>USPAT; USOCR;<br>JPO                              | OR | OFF | 2009/10/19<br>06:35 |
| S118 | 816   | tokyo adj electron.as. and boat                 | US-PGPUB;<br>USPAT; USOCR;<br>JPO                              | OR | OFF | 2009/10/19<br>06:35 |
| S119 | 650   | S118 and (@ad<="20031024"<br>@rlad<="20031024") | US-PGPUB;<br>USPAT; USOCR;<br>JPO                              | OR | OFF | 2009/10/19<br>06:36 |
| S120 | 1     | "04133317"                                      | JPO  | OR | OFF | 2009/10/19<br>09:03 |
| S121 | 1     | "04026115"                                      | JPO  | OR | OFF | 2009/10/19<br>09:49 |

**EAST Search History (Interference)**

| Ref # | Hits  | Search Query   | DBs                         | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|-----------------------------|------------------|---------|---------------------|
| L8    | 25973 | flange and passage and (retain\$3<br>hook hold\$3 attachment) and<br>(vacuum exhaust)  | USPAT;<br>UPAD              | OR               | OFF     | 2009/10/19<br>12:29 |
| L9    | 25829 | flange and passage and (retain\$3<br>hold\$3 attachment) and (vacuum<br>exhaust)   | USPAT;<br>UPAD              | OR               | OFF     | 2009/10/19<br>12:30 |
| L10   | 1019  | Processing adj (chamber<br>apparatus) and flange and<br>passage and (retain\$3 hold\$3<br>attachment) and (vacuum<br>exhaust)                                      | USPAT;<br>UPAD              | OR               | OFF     | 2009/10/19<br>12:30 |
| L11   | 957   | 10 and (@ad<="20031024"<br>@rlad<="20031024")  | USPAT;<br>UPAD              | OR               | OFF     | 2009/10/19<br>12:30 |
| L12   | 37    | Processing adj (chamber<br>apparatus) and (first adj flange)<br>and second adj flange and<br>passage and (retain\$3 hold\$3<br>attachment) and (vacuum<br>exhaust) | USPAT;<br>UPAD              | OR               | OFF     | 2009/10/19<br>12:31 |
| L13   | 35    | 12 and (@ad<="20031024"<br>@rlad<="20031024")  | USPAT;<br>UPAD              | OR               | OFF     | 2009/10/19<br>12:32 |
| L14   | 4     | chandra-satish.xa.   | US-PGPUB;<br>USPAT;<br>UPAD | OR               | OFF     | 2009/10/19<br>13:06 |

**10/19/2009 1:24:11 PM**

**C:\Documents and Settings\Schandra\My Documents\EAST\Workspaces\10576940.wsp**